

cacy in fighting cancer of a new treatment should be assessed by including the treatment effect as a new covariate into the model used in section 3.2.

It is also worth clarifying that if the model were to be used for the purpose of predicting future survival patterns, it is appropriate to ensure that the effect sizes are robust [10]. That is if the scenarios change, the regression estimates are still near to those obtained from the original data. One approach is to use bootstrap sampling, which involves randomly resampling the data and fitting the model to these modified datasets [16].

Finally, a class of parametric PH models and AFT models have been used in this study; nevertheless other approaches might have also been employed for survival analysis. Within these approaches, we can mention the stratified survival analysis method [12], the Aalen's additive model [17], the classification trees method [18], and the artificial neural networks [19].

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